

**DIAGNOSTIC DEVICE FOR  
ANALYZING THE GOLF SWING**

**ABSTRACT OF THE DISCLOSURE**

5     A golf mat similar to the type used at a driving range, including a hole for inserting a golf  
tee, with the addition of a pressure sensor (transducer) embedded in one corner of the mat,  
sandwiched between a top artificial grass and a bottom rubber backing of the mat, for use in  
activating an alarm when the golf club head strikes the area just behind the ball, above the  
pressure sensor, before striking the ball. When the golf club strikes the area above the sensor, an  
electrical signal is sent to the input of a timer circuit, which then provides a signal of a few  
10    seconds in time to the input of a visible alarm. Lines are included on the top surface of the mat  
to mark off the boundaries directly above the pressure sensor so a golfer will not step in this area  
and set off a false alarm. In use, when the golfer makes a good swing with the club head striking  
the ball solidly, without hitting the ground first, then the alarm will not flash a light. On the other  
hand, if the club head strikes the ground prior to contacting the ball, then the alarm will flash a  
15    light for ten seconds notifying the golfer that attention needs to be given to this area of the swing.